

Environmental
Restoration
Contractor

ERC Team

Meeting Minutes Cover Sheet

Please find attached the Open Meeting Minutes from the Groundwater/Vadose Zone Integration Project of July 2, 2001.

If you have any comments or changes to these minutes, please reply to this email and your comments will be incorporated into the next meeting minutes.

ERC Team **Meeting Minutes**

Job No. 22192

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SUBJECT GROUNDWATER/VADOSE ZONE INTEGRATION PROJECT MEETING - JULY 2, 2001

TO Distribution

FROM Michael J. Graham, Groundwater/Vadose Zone Integration Project Manager

DATE July 24, 2001

ATTENDEES

See Attached List

DISTRIBUTION

Attendees
GW/VZ Distribution List
Document and Information Services H0-09

NEXT GW/VZ INTEGRATION PROJECT OPEN MEETING:

Next Meeting: Monday, August 6, 2001 – 1-3 p.m.
Location: Bechtel Hanford, Inc., Assembly Room (Badging Required)
Local Call-In Number: (509) 376-7411
Toll Free Call-In Number: (800) 664-0771

MEETING MINUTES:

A Groundwater/Vadose Zone (GW/VZ) Integration Project Open Meeting was held on July 2, 2001, in Richland, Washington, in the Assembly Room at the Bechtel Hanford, Inc. (BHI) Building.

PROJECT REPORT:

Schedule Update (Michael Graham)

The report from the last meeting of the National Academy of Sciences (NAS), which was held at the end of March, is making its way through the review process. I expect it will be released in late July or early August. From our dialogue with Kevin Crowley, unless he gets last minute input that is the schedule he is on. We received some additional comments from the U. S. Department of Energy, Richland Operations Office (DOE-RL) on the Congressional Report, incorporated those comments, and submitted it to Keith Klein for approval.

As for In Situ Redox Manipulation (ISRM) well installation, the milestone for the first part of July has been completed. Injections of the upstream leg of the barrier will begin later this month.

Detailed Work Plan Update (Michael Graham)

We had the kick-off meeting for the Detailed Work Plan (DWP) last Wednesday. Usually we have the kick-off by the first of June and would have started discussions and lining things up at that time. But, we got a later start this year. The guidance we have received is to plan to flat funding. A planning budget of about \$150 million was presented at the kick-off meeting. There are commitments that the U.S. Department of Energy (DOE) included in the *Comprehensive Environmental Response, Compensation, and*

Liability Act of 1980 (CERCLA) five-year review that were additional scope for Fiscal Year (FY) 2001. We also have the continuing problem of the FY 2001 200 Area Assessment work. Those are critical items that were below the line that will be moved above the line. We are keeping the vadose zone above the line for the first quarter and below the line for the remaining three quarters since we have targets to meet by the first quarter.

Because of the late start, we are on a very abbreviated schedule to get the DWP out this year. There's a lot of work that has been done in the House and Senate on the budget.

As you will recall, last year at the last minute we added the well at the Plutonium Finishing Plant (PFP) and a well at the 200-UP-1 operable unit. We used carryover to fund the 200 Area Assessment work. As a result, we now have to run 24-hour shifts in the field. We don't want the same problem next year, and we need to start the dialogue with regulators on priorities.

618-11 Sampling Plan Update (Jane Borghese)

The U.S. Environmental Protection Agency (EPA) and DOE signed the sampling plan. Field activities to date have included soil gas sampling for helium ratios, downgradient of the burial ground. The results indicate a narrow tritium plume in the ground water. The work explained in the sampling plan will help determine exactly where the contaminants are and at what concentrations. Six boreholes are planned using a staged approach. We are converting two to ground water monitoring wells. With that data, we can decide on the next location for another well. The staged approach can be used to narrow down the location of the tritium plume.

I have a handout showing the locations of the boreholes. Numbers 1, 2, 3, and 4 are the first four we'll be putting in. Numbers 3 and 4 will be converted to permanent wells.

QUESTION: Are there any plans to use the colloidal boroscope?

ANSWER: We are looking into that. It's being used currently.

QUESTION: So, you are uncertain as to whether or not you're going to be able to use it?

ANSWER: Yes, we are unsure about the scheduling.

QUESTION: Does the plan call for using it?

ANSWER: No, that was in the previous one.

QUESTION: What does this ratio indicate?

ANSWER: If over one, it indicates another source of helium.

QUESTION: You're sniffing the vadose zone for the contaminated ground water?

ANSWER: Yes. We plan to get in the field next month and wrap this work up this fiscal year. There are no plans for any additional work at 618-11 in FY 2002.

SAC Update (Bob Bryce)

The initial assessment continues to run. We have run 13 realizations. We are looking at variability introduced into the results by each technical element. The river is lagging a little bit behind. We expect 25 realizations by mid-July. We will do an analysis of the first ten and will add in the results of the last fifteen by mid-July. We expect to spend a month analyzing. In mid-August, we will have meetings with the regulators and show them the results. We recently had a Baseline Change Proposal (BCP) signed to allow for additional analysis that follows up with some of the questions the Integration Project Expert Panel (IPEP) asked.

QUESTION: Did you get anything from the United States Geological Survey (USGS)?

ANSWER: They sent us some notes. They think we have a good technical team and feel we have a good chance of success. There was encouragement for us to sit down with EPA and discuss how this will be used so we can focus the analysis on the specific questions. We will try to get these meetings together in the near future.

Central Plateau Workshop Update (Moses Jarayssi)

We held a workshop that involved all programs operating in the 200 Areas, and the regulators focused on the Risk Assessment basic parameters of exposure and land-use scenarios. The workshop was extremely beneficial. We followed the workshop with a meeting with the Hanford Advisory Board (HAB) River and Plateau committee to share our approach with them. The approach the three parties proposed was very welcomed by the committee members. We will be considering options for cleanup phases and waste management in the Central Plateau portion of the Hanford Site. In the next two to three months, we will be working on an issue that we have not formalized. The encouraging part of this effort is that everyone is interested in taking part in the discussions. We plan to involve the HAB throughout this process. I believe the product of this effort will be beneficial to all parties involved in and working on the 200 Areas waste management and cleanup.

Although we have talked and discussed the regulatory path forward of these areas in the past, we have not formalized our agreements on a set of exposure scenarios that we can use consistently to evaluate our actions at site in the Central Plateau, such as B Pond and Gable Mountain Pond, etc.

QUESTION: When do you think you'll actually have a product?

ANSWER: We are aiming to have a product, probably an Agreement in Principle (AIP), by November 2001 when we meet with the HAB full board meeting. After getting the HAB's feedback, the product will be made ready for public review.

Drilling Update (Tony Knepp)

We finished the drilling at the Tank B-110. The work plan requires CH2M Hill Hanford Group, Inc. (CHG) to conduct a shallow soils investigation. This will require approximately 30 cone penetrometer pushes.

UPCOMING EVENTS (Michael Graham)

QUESTION: Any suggestions for next month's meeting?

ANSWER: Discussion on the System Assessment Capability communication plan.

COMMENT: Something on UP-1 drilling.

COMMENT: Some information on Characterization of Systems.

ANSWER: Yes. Anything else?

COMMENT: I'd like to hear something on the 200 Area Assessment.

COMMENT: The sampling plan. Aren't the Washington State Department of Health (WDOH) and Pacific Northwest National Laboratory (PNNL) taking some site-wide samples south of the 300 Area? Can we get an update on that?

ANSWER: Yes.

QUESTION: I'd like to know more about the Technical Information Exchange workshop in Albuquerque, New Mexico. Are those annual meetings?

ANSWER: Usually there are discussions about lessons learned in technology. It's an annual meeting, and quite a few papers are given. (The web site for the Technical Information Exchange is www.em.doe.gov/tie.)

ACTION: The next Project Open meeting is August 6, 2001. We need to get the DWP meetings on this calendar. They are August 27-28. We have a preliminary schedule put together. We will put that in the minutes.

QUESTION (Dib Goswami): A presentation was made by John Silko. May I have a copy?

ANSWER: I think it just came out last week. Rob Yasek will check on that.

QUESTION: Does any one else want a copy?

ACTION (Mary Harmon): I'd like a copy.

ACTION (Sue Safford): I would like one, too.

COMMENT (Dib Goswami): Ecology will be getting some field sampling during this low flow of the Columbia River. We're working with WDOH and PNNL.

ACTION: Can you share that at the next meeting, Dib?

ANSWER: Yes.

COMMENT: That would be great.

NOTES:

GW/VZ Web Site location: <http://www.bhi-erc.com/vadose>

If you have questions or comments, please contact Karen Strickland (509-372-9236) or Alison Kent (509-372-9192).

ATTACHMENTS:

- 1) GW/VZ Integration Project Six Month Look Ahead Calendar
- 2) Layout of Phase IIa Round 2 Drive Point Soil Gas and Groundwater Sampling

ATTENDEES:

Marty Benski – Tri-City Caucus

Jane Borghese – CHI

Bob Bryce – PNNL

Don Clarke – DEC

Dib Goswami – Ecology

Michael Graham – BHI

Mary Harmon – DOE-HQ (by phone)

Doug Hildebrand – DOE-RL

Kathy Huss – SAIC (by phone)

Moses Jarayssi – BHI

Edye Jenkins – ERC

Alison Kent – BHI

Charles Kilbury – HAB

Tony Knepp – CHI

Doug Maddox – DOE-HQ (by phone)

Fred Mann – CHI

Gordon Rogers – HAB

Sue Safford – Oregon Office of Energy (by phone)

Rob Yasek – ORP

GW/VZ INTEGRATION PROJECT
JULY 2, 2001 – DECEMBER 12, 2001
SIX MONTH LOOK AHEAD CALENDAR

July 2	GW/VZ Project Open Meeting BHI Assembly Room – 1-3 p.m. (Contact: Edye Jenkins)
August 6	GW/VZ Project Open Meeting BHI Assembly Room – 1-3 p.m. (Contact: Edye Jenkins)
September 4	GW/VZ Project Open Meeting BHI Assembly Room – 1-3 p.m. (Contact: Edye Jenkins)
September 6-7	HAB (9:00 – 5:00 and 8:30 – 4:00, Seattle, WA)
September 26-28	IPEP Meeting (BHI Assembly Room, Richland, WA)
October 1	GW/VZ Project Open Meeting BHI Assembly Room – 1-3 p.m. (Contact: Steve Sautter)
November 5	GW/VZ Project Open Meeting BHI Assembly Room – 1-3 p.m. (Contact: Steve Sautter)
November 13-15	Technical Information Exchange (TIE) Workshop (Albuquerque, NM)
December 12	HAB-PI

Figure 3-1. Layout of Phase IIa Round 2 Drive
Point Soil Gas and Groundwater Sampling.